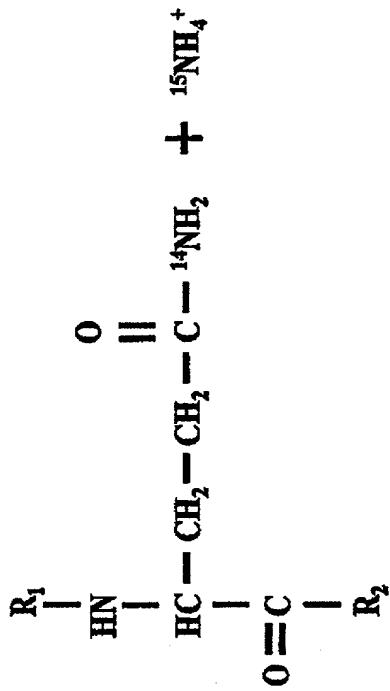


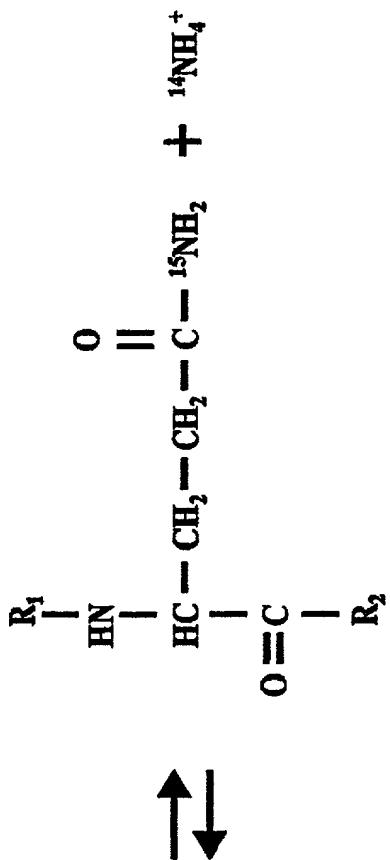
1/7

FIG. 1

COMPOUNDS REPRESENTED BY  
FORMULA (1)



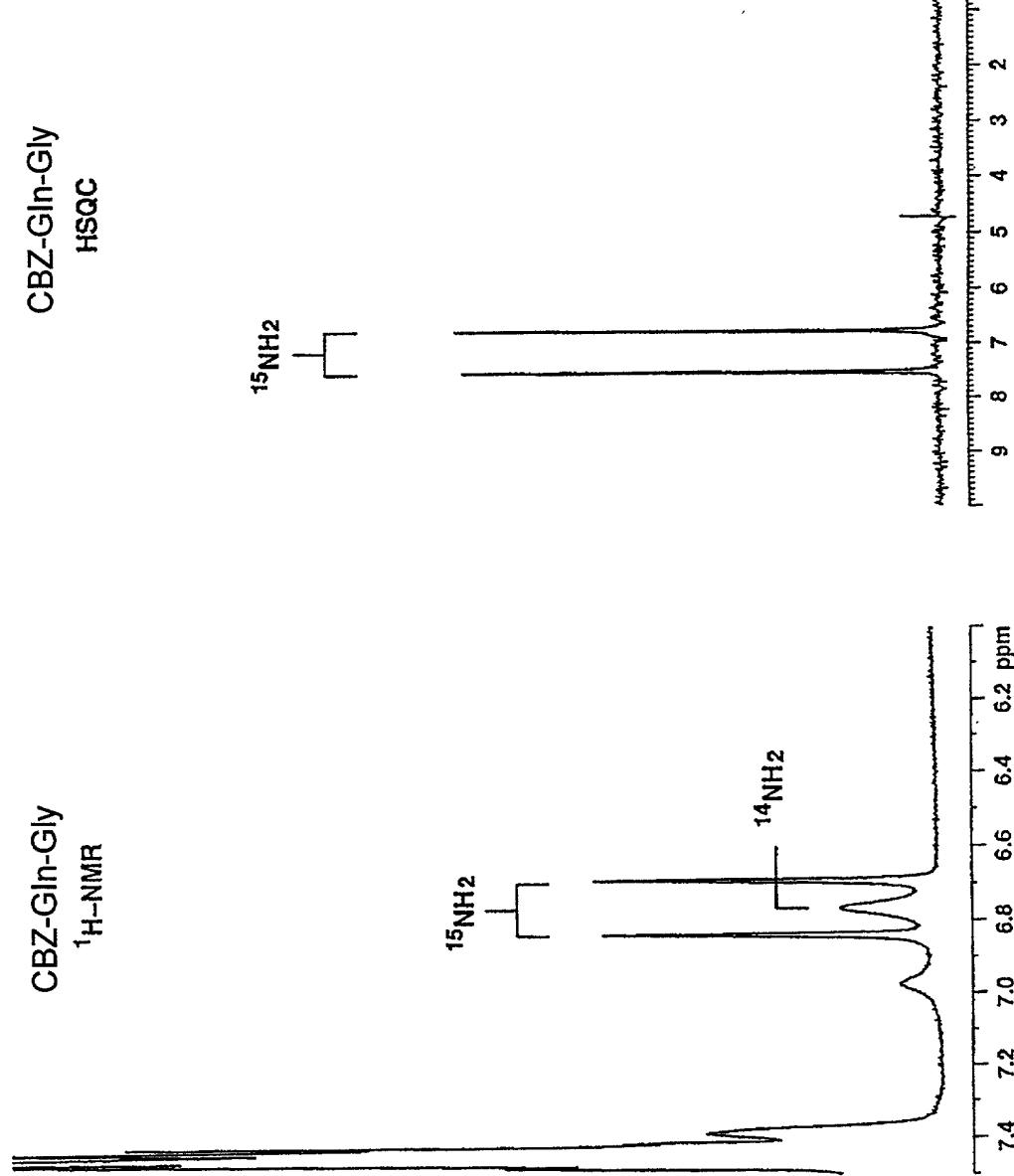
COMPOUNDS REPRESENTED BY  
FORMULA (2)



SCHEME FOR  $^{15}\text{N}$ -LABELING OF CARBOXYAMIDE NITROGEN ATOM ON A GLUTAMINE RESIDUE

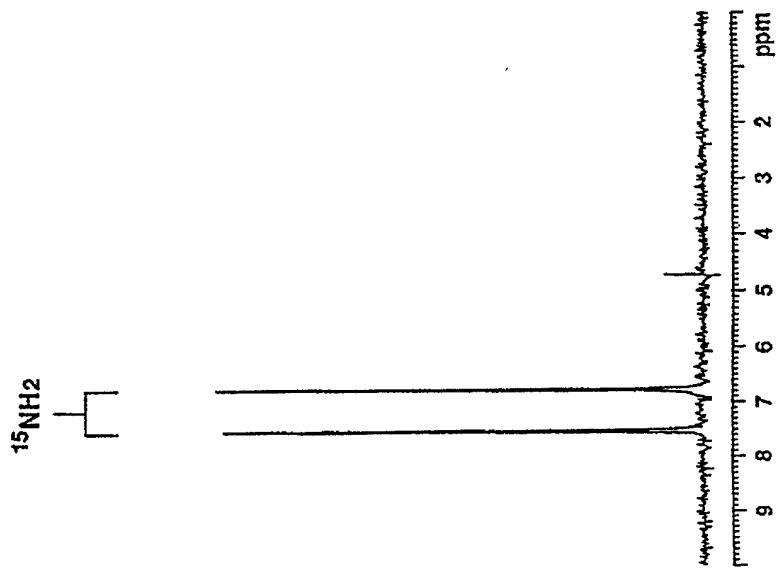
**FIG. 2a**

CBZ-Gln-Gly  
 $^1\text{H}$ -NMR



**FIG. 2b**

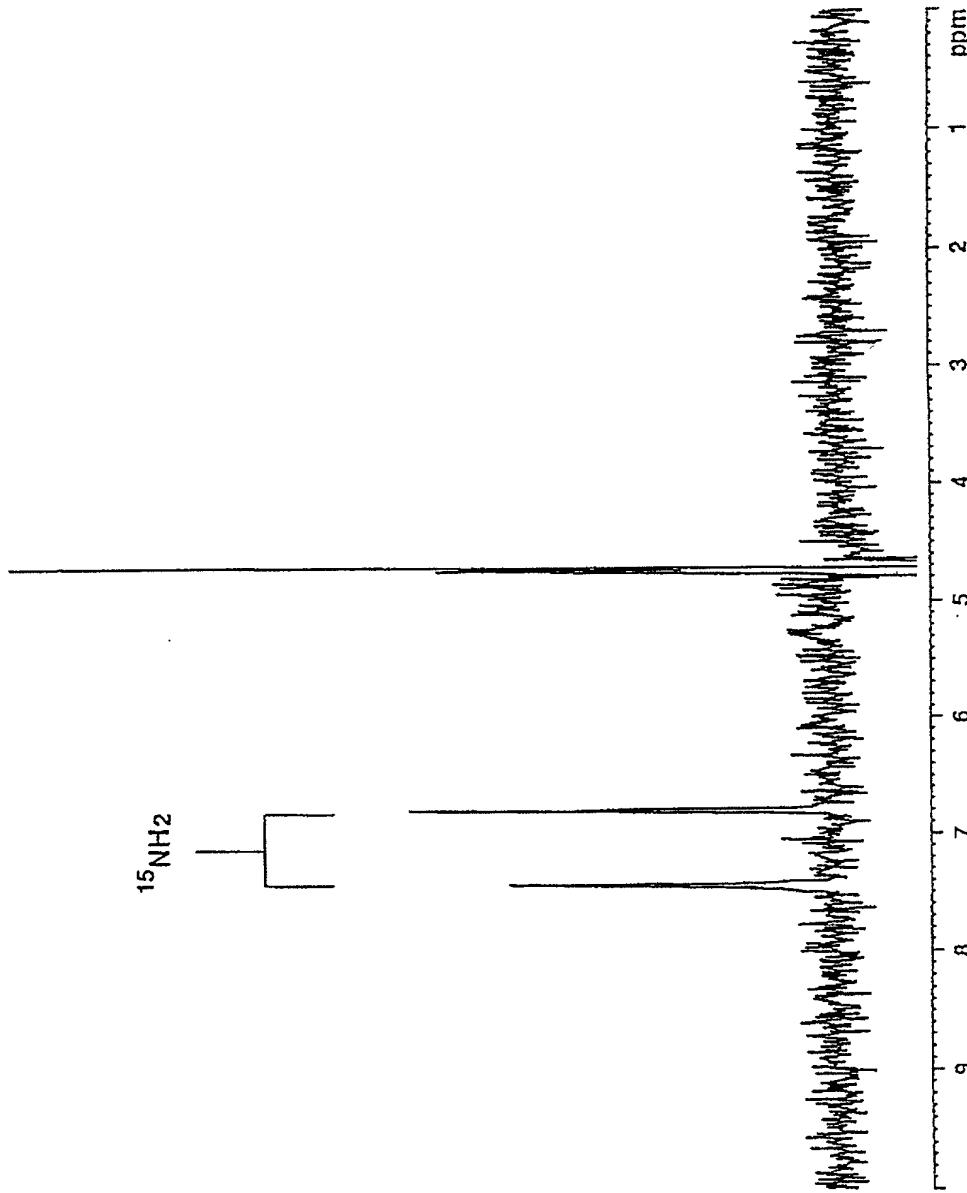
CBZ-Gln-Gly  
HSQC



3/7

FIG. 3

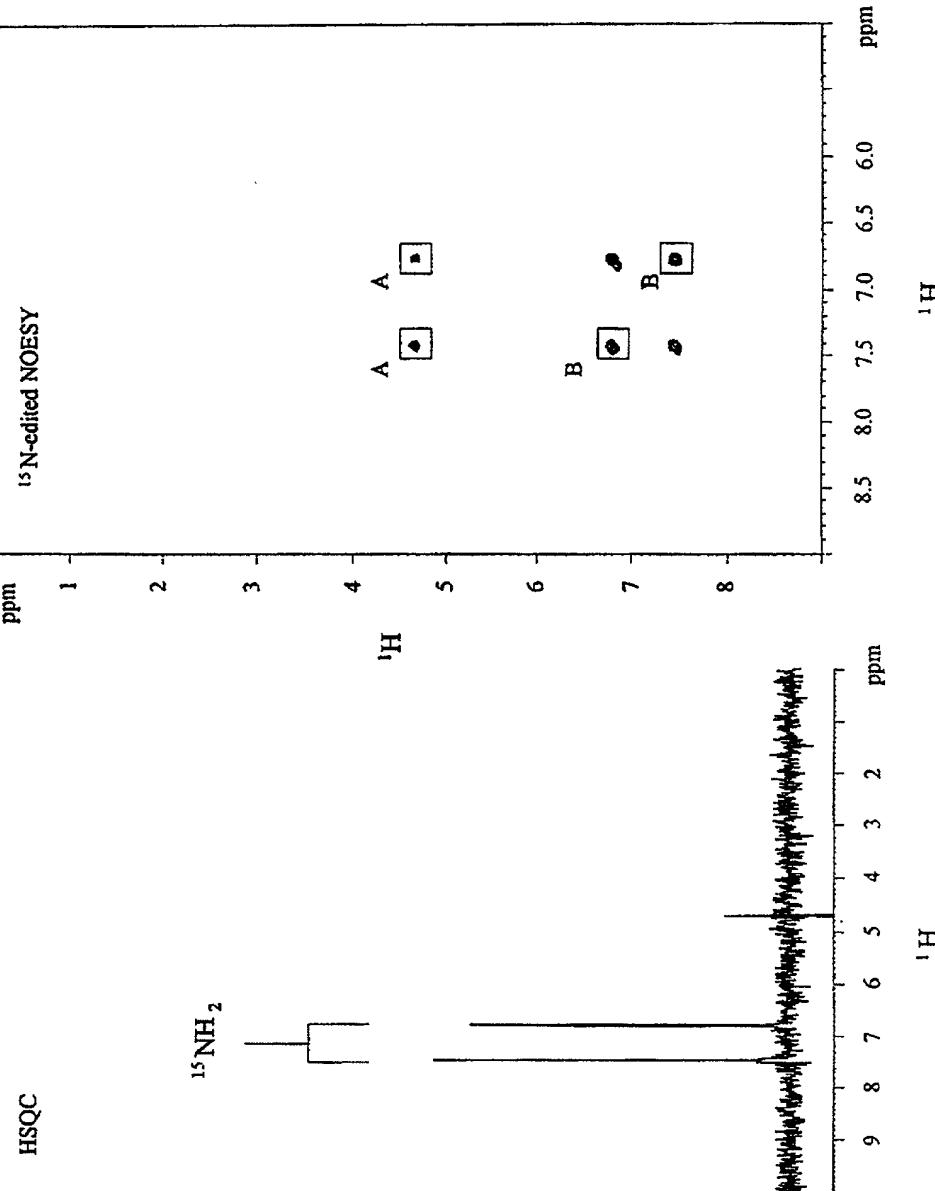
HSQC SPECTRUM OF INSULINE B-CHAIN



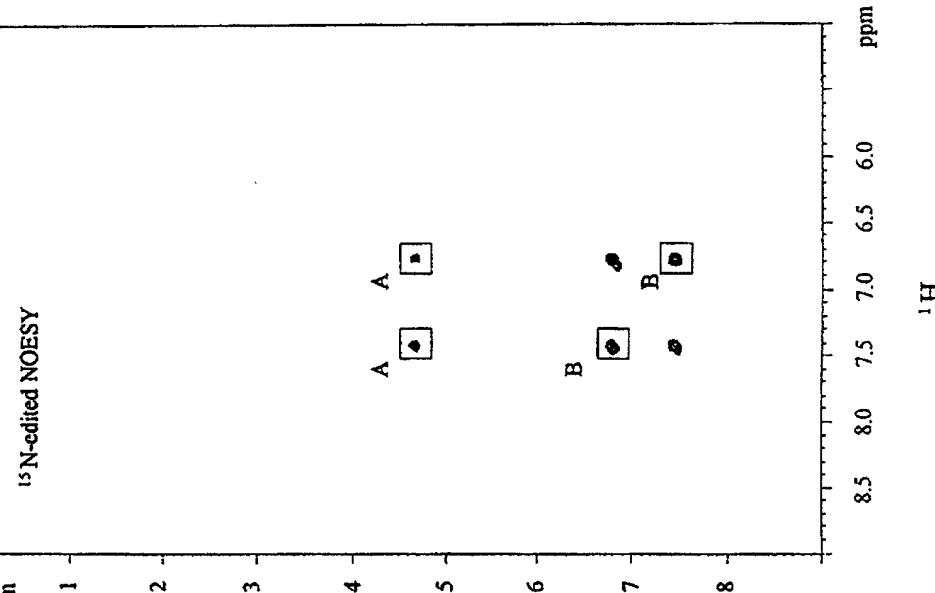
4/7

FIG. 4a

INSULINE A-CHAIN

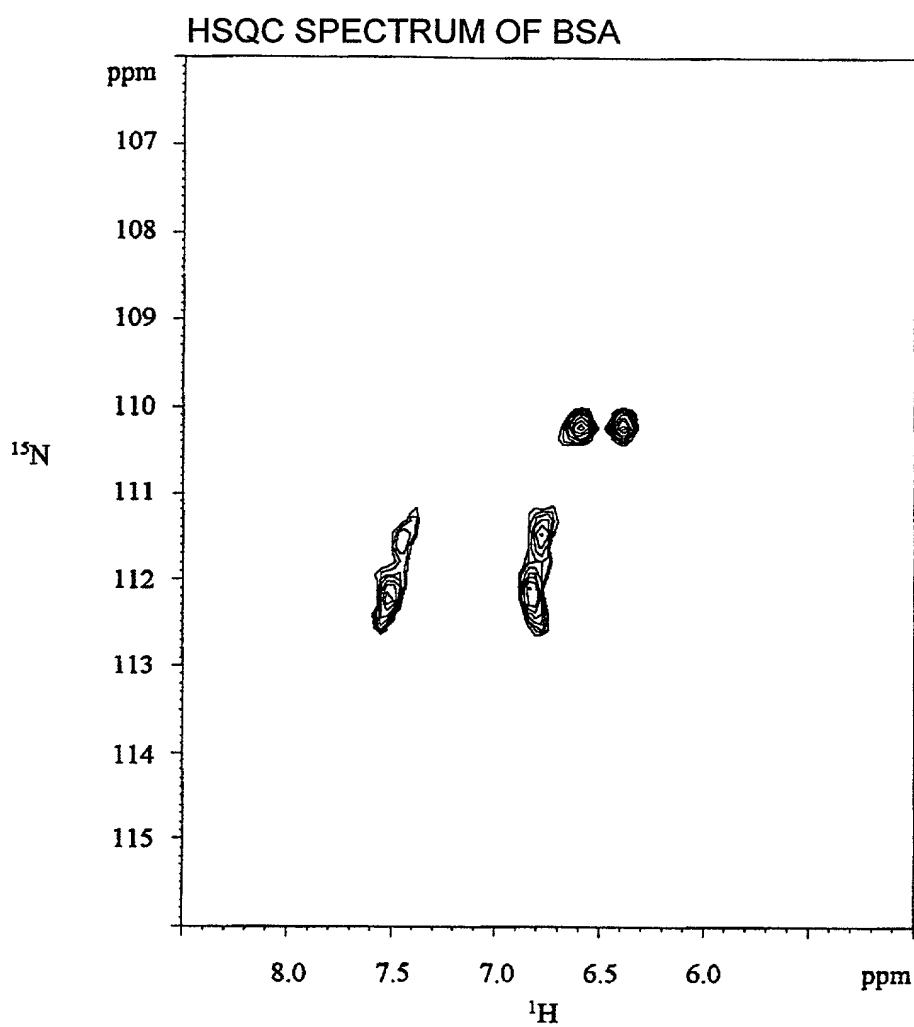


INSULINE A-CHAIN



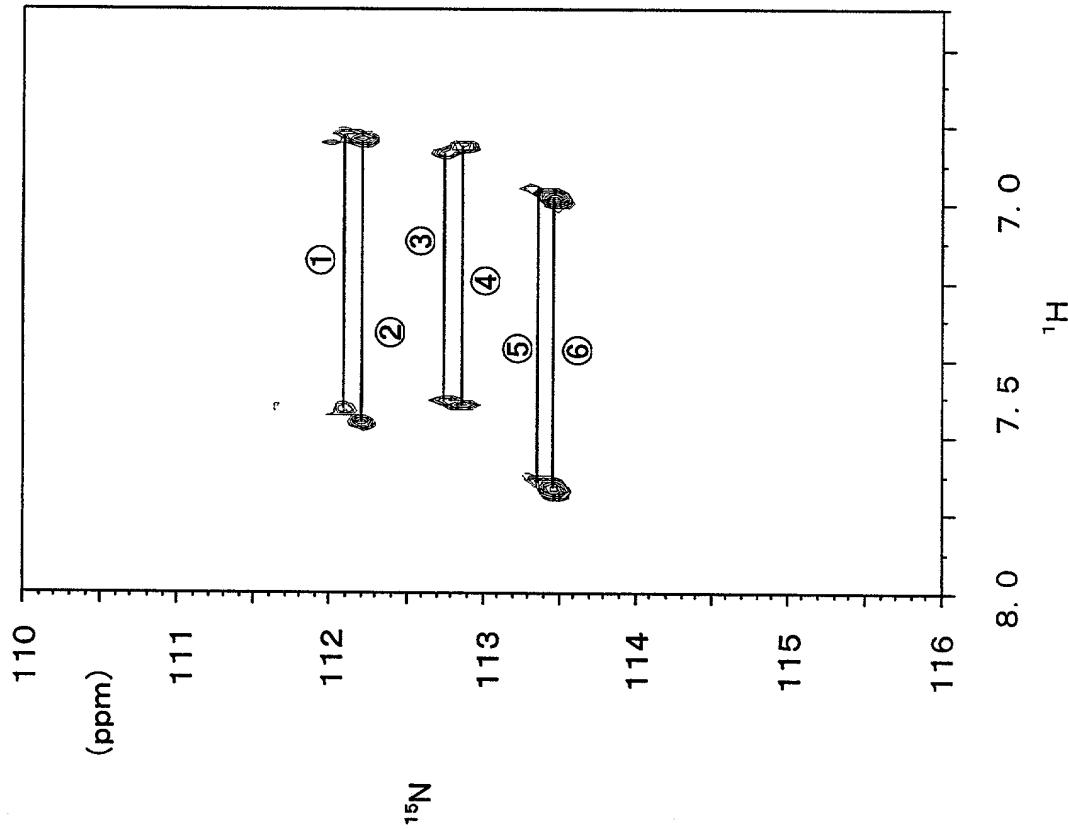
5/7

FIG. 5

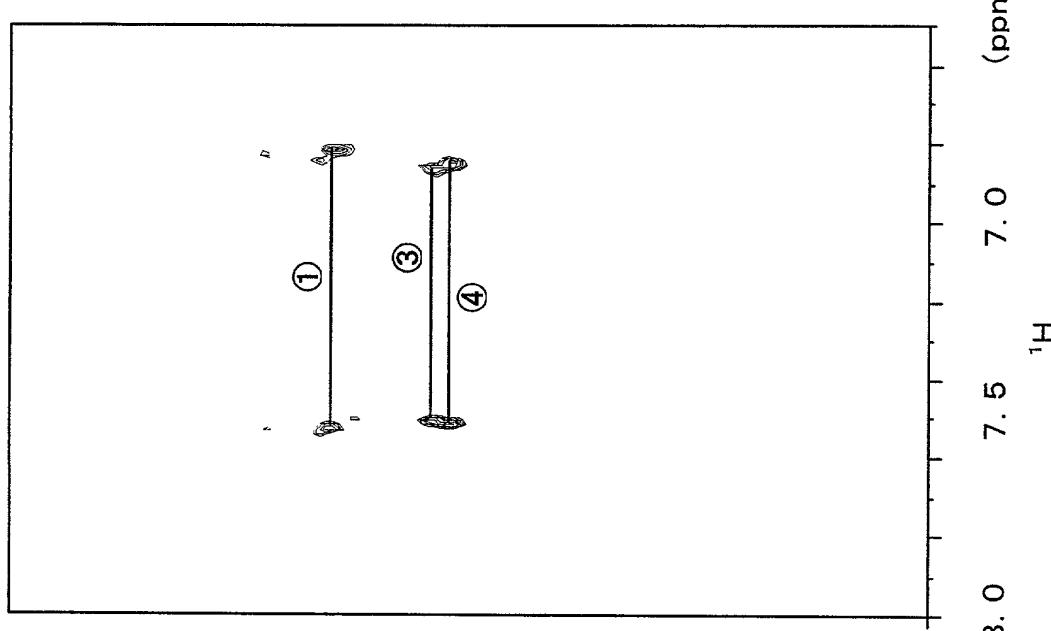


6/7

**FIG. 6a**  
 $^{15}\text{N}$ -LABELING BY MTG



**FIG. 6b**  
 $^{15}\text{N}$ -LABELING BY TRANSGLUTAMINASE  
FROM GUINEA PIG



7/7

FIG. 7

